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QŅ		US-	6,961,918 B2	11/1/2005	Garner, et al.		
QN		US-	6,934,942	8/24/2001	Chilimbi		
QN		US-	6,895,578	5/17/2005	Kolawa, et al.		
QN		US-	6,968,540 B2	11/22/2005	Beck, et al.		
QN		US-	6,658,600 B1	12/2/2003	Hogdal, et al.		
QN		US-	2004/0031020 A1	2/12/2004	Berry, et al.		
QN		US-	2002/0073063	6/13/2002	Farai		
QN		US-	2004/0123279 A1	6/24/2004	Boykin, et al.		
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90)		US-	7,093,234	08-15-2006	Hibbeler et al.	
		US-	2002/0170036	11-14-2002	Cobb et al.	
<u> </u>		us	2005/0039171 A1	02-17-2005	Avakian et al.	
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Examiner Initials*	Cite No ¹	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published							
34		Department of C	EOFF A. COHEN et al., "Automatic Program Transformation with JOIE", Paper, epartment of Computer Science, Duke University, 12 pages , 1998.						
24		January 1993, p	ALAN SNYDER, "The Essence of Objects: Concepts and Terms", IEEE Software, January 1993, pp. 31-42, Sunsoft, Mountain View						
an		www.cs.duke.ec	Duke University, "The Java Object Instrumentation Environment", www.cs.duke.edu/arl/jole/, last updated May 2003, printed September 28, 2006, 2 pages.						
QN		Through Binary	RALPH KELLER et al., "Supporting the Integration and Evolution of Components Through Binary Component Adaptation", www.cs.ucsb.edu/cocsb . September 9, 1997, Technical Report TRCS97-15, 12 pages						
an		of Computer Sci	ien ce 1997, 51 pa	eges	sity of Colorado, Department				
ON		http://bcel.sourc	eforge.net/main.h		, 2 pages, printed September				
an		Alphaworks, "Ji posted March 3	ikes Bytecode To 1, 2000, 2 pages,	polikit: Overview [*] , <u>www.aip</u> printed September 28, 2000	haworks.ibm.com/tech/likesbt, 3				

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